

SCDXC Newsletter



The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The SCDXC newsletter is published monthly and released to club members around the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles may be republished with recognition of the author and the club. Reuse of copy-righted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the Editor, Bill, N6RV at:

n6rv@scdxc.org

Club meetings are held on the second Thursday of the month at 7:30 PM except April, June and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R 145.48, (-) PL 100.0



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*If you need him get in
there and work him"*



2018 SCDXC Christmas/Chanukah

Date: - Sunday, December 16, 2018



Time: - 11:00 am

The Reef

880 Harbor Scenic Drive

Long Beach, CA 90802

562-435-8013

This year's Christmas/Chanukah Party will be on Sunday afternoon, December 16, 2018 at The Reef Restaurant, in Long Beach beginning at 11:00 am.

We will again be in a private room as we have been for the last number of years. We are looking to get the largest attendance ever so be sure to get your reservations early. If you have been to the party in the last several years you know the food is unbelievably good and this year should be no different. You go for Brunch, but you can have Breakfast, Lunch or Dinner or as in the case of some, all three.

When we say brunch, we mean BRUNCH. There are over 130 items on the brunch menu, so we promise you will not leave hungry. The Reef Restaurant is a fantastic venue in the shadow of the Queen Mary, located on the water in Long Beach. Please plan to join the club and help us finish of another fantastic year for the SCDXC!!!



Make your reservations by following [reservation link](http://www.scdxc.org/holiday.html) on the holiday party link :

<http://www.scdxc.org/holiday.html>

Seasons Greetings and Merry Christmas!!!



**2018
Board of Directors**President

Mel Hughes K6SY

Vice President

Kris Jacob KC6TOD

Treasurer

Jerry Lewine K6QU

Secretary

Clay Davis AB9A

Director

Barry Fitchew N6VOH

Director

Jerry Robinson K6AV

Director (Past President)

Doug Dowds W6HB

APPOINTEESRepeater Chair

Chip Angle N6CA

Newsletter Editor

Bill Kendrick N6RV

Webmaster

Jim Shryne N6DHZ

From the Desk of the President

Mel Hughes, K6SY

The November meeting of the SCDXC, Inc. was ELECTION NIGHT for the 2019 Club Officers and Board Members. Unfortunately, there were no candidates for the very important position of Vice President or the equally important position of Treasurer/Membership. Fortunately Cathy Gardenias, K6VC, stepped forward and volunteered to take the Treasurer/Membership position. Unfortunately, the position of Vice President still remains vacant. Your 2019 Board will function as best it can without a VP.

The annual SCDXC Holiday Party, will be held at the Reef Restaurant in Long Beach on Sunday, December 16th from 11:00 AM until 3:00 PM. You can make your reservations on line or print out the mail-in form from the SCDXC web site, www.scdxc.org. Reservations are required. Complete detail about the SCDXC Holiday Party are also available on the Club web site. This should be a really enjoyable event. Kris, KC6TOD, has worked her magic and lined up lots of really great prizes.

**The Reef Restaurant is located at :
880 S. Harbor Drive
Long Beach, CA 90802**

There are frequently changing detours that effect the streets approaching the Restaurant due to the construction of the new bridge between Terminal Island and Long Beach. Allow a little extra time, drive carefully and watch the signs.

I had hoped to have the voice announcements of DX spots back on the air by now but the DX Alert device has seen its last days. Replacement devices are not available. With the aid of Bill Shell, N6WS, I hope to have voice announcements of the most needed countries available on our Mumble site.

Don't forget to make your reservations for the Holiday Party by Wednesday, December 5.

Mel - K6SY
SCDXC President - 2018





VP Notes

Kris Jacob, KC6TOD

Greetings to All,

The time has come Our 2018 Christmas/Chanukah Party is around the corner!

Sunday, December 16th from 11:30 to 3:30pm at the:
Reef Restaurant
880 S. Harbor Scenic Drive, Long Beach, CA 90802
www.reefrestaurant.com

My deadline for registration is December 5th, many of our members and guests have not signed up as yet. At this moment we only have 50 registered! Please do so as soon as possible. Applications are available on the club web-site www.scdxc.org. We are looking forward to a great turnout for this special event.

Thank you to Don Minkoff NK6A for his presentation. A special thank you to Sharon K6IRD and Wayne W6IRD for their help with the November meeting in my absence.

We are still looking for a volunteer for the Vice President position, hopefully someone will step up to the plate to help. I have asked our Directors Larry K6YUI and Bill N6MXU to work on the programs for 2019. They gladly stepped up and are helping... thank you both.

If you have any suggestions for guest speakers/programs, please let Larry or Bill know. If you have a presentation you would like to share with the club, please contact Larry or Bill.

Please mark your calendar for all these events, we, as your board, have tried to plan in advance for all our special occasions.

I am looking forward to seeing everyone at the 2018 Christmas/Chanukah Party!

73 and Good Dxing!
Kris Jacob
KC6TOD



December Calendar

November	30	ARRL 160-Meter Contest
December	8	ARRL 10 Meter Contest
December	15	OK DX Contest RTTY
December	15	Padang DX Contest
December	15	Croatian CW Contest
December	16	SCDXC Christmas /Chanukah Party
December	26	DARC Christmas Contest
January	1	Straight Key Night





Rumors on the Band

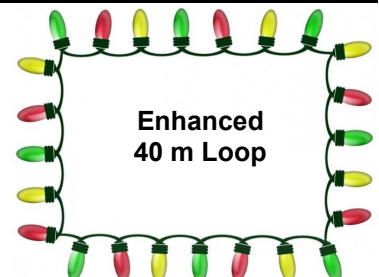


The CQWW CW contest just ended. The conditions were good again! The only difference from the SSB contest was 10 meters. In the phone contest there was some Transequatorial Propagation. No such luck in the CW weekend.

December is the doldrums for Dxing. It sure is a good thing that we have holidays to celebrate otherwise it would be a dark cold month!!!

Catch the DXpeditions that are ending early in the month then put up your Christmas tree!

QTH	Call	Start Date	End Date	Information
Madagascar	5R8IC	Now	30-Nov	F6ICX CW SSB RTTY
Burkina Faso	XT2AW	Now	30-Nov	DF2OW 160-80m
Mozambique	C91HP	Now	1-Dec	SM0HPL 30-10m CW Digital
East Timor	4W/DX3EXX	Now	2-Dec	DS3EXX HF
East Timor	4W/HL1AHS	Now	3-Dec	HL1AHS HF SSB CW FT8
Papua New Guinea	P29RR	Now	4-Dec	ZL1BQD 160-80m
Ogasawara	JD/O	Now	7-Dec	JH1HHC (JD1BPH) & JU1CRM/JD1 160 -6m CW SSB RTTY FT8
French Guiana	TO5NED	Now	3-Dec	F5NED 40-10m CW SSB
Montserrat	VP2M	Now	10-Dec	K7NM (VP2MLB) WM7Z (VP2MSA) NS7K (VP2MSK) AC7ZN (VP2MZN) 160-6m CW SSB PSK FT8 RTTY
Cambodia	XU7AKB	Now	14-Dec	HB9FXL 40-10m SSB
Minami Torishima	JG8QNJ/JD1	Now	31-Dec	JG6QNJ 20 - 17m CW RTTY
Burkina Faso	XT2BR	2-Dec	11-Dec	F8FUA CW SSB RTTY FT8
Senegal	6V1A	7-Dec	9-Dec	6W team SSB CW
Vanuatu	YJ0AFU	25-Dec	8-Jan	VK4AFU 160-5m FT8 CW SSB



DX Standings

Bill, N6WS picked up one more zone this month. With the CQWW CW contest last weekend maybe some others have picked up a few unexpected zones or band slots... hmmm?

Send any updates to:
N6RV@SCDXC.org

SCDXC WAZ and DXCC Standings

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M Mixed
P Phone
C CW
R RTTY
5 5 Band

The first DXCC column is the confirmed entity count with deleted countries. The second column is the confirmed current entity count. The third column is the challenge slots.

The members highlighted in **Red** are at the top of the Honor Roll. Those in **Blue** are on the Honor Roll

SCDXC DXCC Standings										WAZ Standings		
Rank	Call	Total	Current	Slots	Rank	Call	Total	Current	Slots	Call	11B / 5B	Awards
1	W6KH	389	340		61	K6QU	325	325		K6ND	378 / 200	M/5
2	K6KII	387	340		62	AC6DX	322	320	1887	W6SR	369 / 200	M/P/C/I/5
3	JA1BK	383	340	3147	63	KJ6Y	321	321	1312	WA5VGI	358 / 200	M/P/C/I/5
4	K6YRA	378	340	2272	64	N6NPG	319	319		W8DX	357 / 200	M/5
5	OH2BH	377	340		65	K7MY	319	317	831	EU7SA	357 / 200	M/5
6	ON4UN	373	340	1975	66	AK6I	317	317		N6AW	355 / 200	M/P/C/I/5
7	N6UC	368	339		67	W1YL	315	315		NS6C	345 / 200	
8	DJ9ZB	365	340	2665	68	KC6T	314	314		K6YRA	337 / 200	P/5
9	K6YUI	365	340	2598	69	N6GP	314	292	1583	K6YUI	337 / 200	M/P/C/I/5
10	W6BCQ	365	339	1600	70	W6HB	311	311	1029	WD6L	248 / 200	M/P/5
11	NS6C	361	340	2503	71	N6VNI	311	309	1550	N6OU	220 / 200	M/5
12	K6SMF	360	338		72	NK6A	303	297	957	K6UNR	200 / 200	M/P/5
13	W6SR	359	340	2799	73	ZL3TE	297	295	1430	W6VX	352 / 199	
14	W6HT	358	340		74	N6DHZ	295	289	1053	N6WS	368 / 198	M/P/C/I/5
15	K6FG	357	340	2774	75	K6IRD	294	292	649	K6GXO	358 / 198	M
16	K8RD	357	340		76	N6WT	282	282	1263	K6FG	365 / 198	M/P/C/I/5
17	WA6WZO	357	339		77	N6UOZ	280	280		W6ENZ	347 / 197	
18	N6RV	356	339	2131	78	KT6LA	279	277	1035	SM5GMZ	345 / 196	M/P/C
19	W6OU	356	337	1599	79	WA6WXD	274	220		N6MXU	155 / 193	
20	K6GXO	355	348	2633	80	K6VC	259	225		N6RV	347 / 191	M/P/C
21	K5KT	355	340		81	K6SS	255	225	882	N6HE	195 / 134	
22	K6IPV	355	335	1800	82	W3SE	249	244	754	K2PLF	191 / 191	M/P/C
23	N6QQ	354	338	2178	83	W6DOE	244	244	1005	KC6X	294 / 187	M/P/C/I/5
24	W6IRD	354	338		84	KQ6K	243	243		N6QQ	325 / 186	M/P/C/R
25	W6TJI	354	337		85	N6VOH	243	222		KM6HB	321 / 185	5/M/P/C
26	W8DX	352	339	2517	86	W6LEN	236	236	771	K6LD	314 / 186	M/P/C
27	W6RW	351	337	1991	87	K6JEY	234	234		W6YOO	308 / 185	M/P/C/I/5
28	W6TK	350	340	1945	88	N6HE	233	225	642	KH6DX/m	210 / 184	
29	W6YOO	350	340	2130	89	N6AA	222	222		K6KII	191 / 177	M
30	KC6X	350	339	2081	90	K6AWB	219	219		K0OK	286 / 173	
31	N6WS	350	338	2066	91	K6DDJ	214	211	551	K6SY	246 / 173	P
32	N7NR	350	329	1127	92	NE6V	213	213	663	W6ZPL	237 / 173	M/P
33	W6KK	349	340	1864	93	W6VWV	210	210		KJ6Y	261 / 172	
34	W6ENZ	349	339	2383	94	KK6FJQ	210	210	379	KR6C	295 / 171	M/C
35	W6VX	349	339	2772	95	W6KC	203	202	589	W6FL	256 / 149	M
36	WA5VGI	348	340	2699	96	W0PE	201	201		AD6KQ	226 / 164	
37	K6ND	348	339	2562	97	W6JEA	195	195		N6DHZ	214 / 160	P
38	N6HC	348	339	2280	98	N6PM	192	191	618	W6DR	227 / 159	
39	N6IC	347	337		99	N6LL	169	169		NK6A	152 / 152	M/5
40	N6HY	345	337	2424	100	KF6I	166	166		W6NRQ	180 / 147	M/P
41	W6FL	345	331	1223	101	K7LA	160	160	365	WB6PSY	139 / 140	P
42	KR6C	344	338	1985	102	W6EA	152	152		WA6BOB	152 / 136	M
43	K6LPO	344	331	1236	103	W6QE	149	149	224	W6IRD	151 / 111	M/P
44	N6PEQ	343	337	1941	104	N6DBF	142	142	374	K6IRD	154 / 126	M/P
45	KM6HB	343	336	1933	105	AB9A	141	141		W5DQ	161 / 122	
46	SM5GMZ	343	333	2317	106	KI6RRD	139	138	376	W3SE	102 / 112	
47	N6PE	343	331	1941	107	N6CA	133	133		KT6LA	132 / 103	
48	AI6Z	342	335	2174	108	N6RU	129	128	279	K6IRA	118 / 102	
49	K7ACZ	341	337	1756	109	K6MKL	126	126	185	K6VC	96 / 96	P
50	N6MXU	341	331	1416	110	K6DSW	122	122	268	W6EA	92 / 86	
51	N6XT	339	332	1413	111	KC6TOD	120	120		N6UC	78 / 78	M
52	W6SW	339	331	540	112	W6MKO	110	0	0	KA6TTV	82 / 67	
53	K6RO	339	330	2083	113	KA6D	107	107		N6VNI	86 / 64	
54	W6ZPL	338	335	1367	114	K6BBC	103	103		N6RRY	74 / 64	
55	K2IXQ	337	332	1746	115	NQ6L	101	101		N6GIL	49 / 43	
56	K6SY	332	322	1037	116	K6SBA	100	100		W6DCK	40 / 40	P
57	W6DR	331	326	1431	117	N6YQ	100	100		K6JW	40 / 40	M/P
58	K6JW	329	323	1068	118	WA6MEM	100	100		K6YR	39 / 39	
59	AA6PW	328	328	1709	119	N6RRY	100	70	125	W6DOE	37 / 37	
60	N6AX	327	327	1198	120	K9TAD	74	74	93	NZ6L	36 / 36	
										W4EF	29 /	
										N6AWD		M
										N6HC		M/P/C
										KB6KTV		P
										W6OES		M
										K8RD		C



2018 Get Schroeder Contest

2018 Get Schroeder Leaders									
2018 Entities Worked by SCDXC									277
2018 ClubLog Leaders									290
2017 SCDXC Members									281
2017 SCDXC Leader (N6RV)									263
2017 ClubLog Leaders									289
Rank	Call	Entities	Lat Mo.	Last Yr	Leader	-Tot	-QQ	Uniques	
									8
1	N6WS	259	1	-3	0	18	-23	2	
2	W6OU	248	7	44	-11	29	-12	1	
3	N6WT	245	2	-14	-14	32	-9	0	
4	N6RV	238	10	-25	-21	39	-2	1	
5	W6TK	237	4	-12	-22	40	-1	0	
6	N6QQ	236	5	-18	-23	41	0	0	
7	KC6X	211	8	172	-48	66	25	0	
8	WA5VGI	206	5	33	-53	71	30	0	
9	N6EV	195	22	61	-64	82	41	0	
10	K7ACZ	194	13	-19	-65	83	42	0	
11	AA6PW	183	183	47	-76	94	53	1	
12	AI6Z	170	7	-30	-89	107	66	1	
13	SM5GMZ	156	16	-6	-103	121	80	0	
14	N6PM	155	7	18	-104	122	81	0	
15	W6MKO	141	1	82	-118	136	95	0	

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LZ	PJ7	T2	TY	VK9L	VU4	YV0
1S	4U1TU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	OA	PY	T30	TZ	VK9M	VU7	Z2
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OD	PY0F	T31	UA	VK9N	XE	Z3
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OE	PY0S	T32	UA0	VK9W	XF4	Z6
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OH	PY0T	T33	UA2	VK9X	XT	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH0	PZ	T5	UJ	VP2E	XU	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH7K	OK	S0	T8	UR	VP2V	XX9	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH8	OM	S2	TA	V2	VP5	XZ	ZD7
3D2/C	5R	9K	BV9P	CY9	ER	FS	HB0	J7	KH8S	ON	S5	TF	V3	VP6	YA	ZD8
3D2/R	5T	9L	BY	D2	ES	FR/G	HC	J8	KH9	OX	S7	TG	V4	VP6/D	YB	ZD9
3DA	5U	9M2	C2	D4	ET	FR/J	HC8	JA	KL7	OY	S9	TI	V5	VP8	YI	ZF
3V	5V7	9M6	C3	D6	EU	FR/T	HH	JD1/M	KP1	OZ	SM	TJ9	V6	VP8/G	YJ	ZK3
3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL
3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP4	P4	ST	TK	V8	VP8/O	YL	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP5	P5	SU	TL	VE	VP8/S	YN	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	LA	PA	SV	TN	VK	VP9	YO	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZP
4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS
4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LY	PJ5	SV9	TU	VK9C	VU	YV	ZS8

SCDXC Get Schroeder Standings 2018																	
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Yrs		
1	N6WS	52	74	37	177	151	226	168	97	51	39	26	259	1098	54		
2	W6OU	13	24	0	93	41	181	52	29	16	4	6	248	459	55		
3	N6WT	22	52	9	157	121	220	109	70	11	10	9	245	790	4		
4	N6RV	0	0	0	168	95	184	90	81	26	23	24	238	691	50		
5	W6TK	13	61	0	166	90	213	109	88	10	26	1	237	777	61		
6	N6QQ	4	48	3	162	139	208	145	97	34	36	15	236	891	61		
7	KC6X	13	73	7	124	134	180	159	77	36	25	11	211	839	41		
8	WA5VGI	23	16	0	49	51	161	93	43	0	4	1	206	441	34		
9	N6EV	51	55	0	101	18	139	58	61	7	19	7	195	516	22		
10	K7ACZ	9	33	0	104	35	173	36	32	4	4	0	194	430	49		
11	AA6PW	15	80	0	121	99	152	86	69	10	9	0	183	641	31		
12	AI6Z	1	19	0	85	19	144	13	49	4	7	0	170	341	25		
13	SM5GMZ	44	61	0	31	31	65	55	21	17	0	0	156	325	49		
14	N6PM	4	38	0	58	89	76	93	28	10	15	5	155	416	24		
15	W6MKO	0	21	0	84	19	98	41	15	1	2	3	141	284	1		
16	W6ENZ	25	26	0	109	22	49	32	19	6	5	3	138	296	51		
17	W6DR	34	52	0	113	19	112	18	47	1	4	1	137	401	38		
18	N6HY	4	16	0	82	49	95	30	12	3	1	5	134	297	65		
19	NS6C	21	23	0	56	38	84	39	12	6	3	0	134	282	61		
20	K6QU	13	30	0	90	18	66	21	18	4	6	0	125	266	4		
21	N6GP	0	54	0	22	19	103	10	38	1	11	8	124	266	29		
22	K6FG	20	29	2	68	16	81	27	9	2	6	13	120	273	62		
23	K0XP	2	27	0	107	16	55	17	13	3	2	1	115	243	0		
24	N6VNI	0	42	0	52	11	86	29	24	0	3	5	113	252	29		
25	ZL3TE	8	29	3	81	27	50	54	23	6	5	0	111	286	14		
26	NK6A	0	0	0	34	2	99	14	53	0	5	0	108	207	73		
27	W6SR	5	22	0	42	3	96	2	50	0	2	16	106	238	61		
28	K6RO	0	3	0	23	14	93	23	36	7	17	3	103	219	30		
29	K6FOD	1	13	0	49	23	70	20	8	2	10	2	103	198	0		
30	KB6CIO	2	2	0	16	26	71	22	19	2	2	3	102	165	35		
31	KM6HB	2	14	0	36	27	68	30	25	15	11	4	87	232	27		
32	N6HE	1	4	0	45	21	59	34	33	1	3	0	86	201	40		
33	W6KC	0	32	0	51	2	65	1	37	1	1	0	79	190	58		
34	KE6PLA	0	5	0	10	11	76	14	17	2	12	3	79	150	2		
35	K7MY	0	0	0	7	0	62	0	46	0	13	0	74	128	41		
36	KK6FJQ	0	0	0	18	13	32	21	9	3	3	5	73	104	5		
37	WB6DJI	0	0	0	51	1	39	19	1	1	1	4	72	117	5		
38	K6RRD	2	4	0	35	31	33	11	23	3	5	3	69	150	10		
39	W6LEN	0	7	0	23	16	30	18	19	3	6	0	63	122	40		
40	K6DDJ	0	3	0	10	11	34	21	12	1	0	0	58	92	23		
41	KF6I	1	3	0	36	0	15	0	12	0	0	5	43	72	14		
42	N6DBF	0	0	0	28	7	28	14	8	2	3	3	42	93	32		
43	N6RRY	0	0	0	3	0	38	0	5	0	0	4	40	50	30		
44	N6RU	0	1	0	1	1	23	1	13	0	1	0	31	41	12		
45	K9TAD	0	0	0	4	5	17	0	0	0	0	0	26	27	11		
46	K6YUI	12	0	0	2	2	9	3	1	0	0	1	25	30	61		
47	AC6DX	0	1	0	11	1	7	1	1	0	3	2	15	27	11		
48	W6SW	0	0	0	1	0	8	1	2	0	0	0	8	12	39		
49	KR6C	1	1	0	2	0	4	0	0	0	0	0	8	8	40		
50	KT6LA	0	0	0	0	0	1	0	0	0	0	0	1	1	12		

Chart Legend	
White / Green	Entity Worked This Year by a Member
Black / White	Very Active Entity Not Yet Worked
Black / Blue	Entity with Announced DXpedition
Black / Yellow	Rarely Active Entity Not Yet Worked
Black / Red	Inactive Entity
	Deleted Entity

Well we are in the clubhouse turn! There is one month left to work some more DX! Unfortunately December is a slow month with the holidays and all.

This month we added four new entities to our count. Thanks to KB6CIO we have Iraq. W6OU, N6WT, & W6TK caught 5U in the CW contest.

Right now as it stands the ClubLog leaders have 13 more entities than SCDXC. They have worked 15 entities we have not yet worked and we have worked 2 entities. The standard disclaimer: Some of the entities claimed have not been on the air so the numbers are skewed a little.

Our leaders have moved around a bit but Bill, N6WS is still at the top of the heap. Jim, W6OU is 11 behind Bill and has slipped into second place, ahead of Kent, N6RV by 3. Bill, N6RV picked up a bunch and passed Dick, W6TK by 1. Right now N6QQ is in sixth place with 236, 1 behind Dick, W6TK. Now John, you have to start getting up in the morning and work those easy ones that have slipped through your fingers. That is pretty much the front runners. There has been significant gains over this month among all the gang!

From the announced operations there are no new ones in December! Looking at the leader board possibly 4U1UN, 8R, & 5N could get on the air. Maybe we could call the Jim, K2QI, to see if he could schedule a few QSOs from the UN. Three months ago they had everything almost nailed down and ready to go. We were half expecting them to show up in the CQWW CW contest. They are setting up a remote site within the UN building. From there visiting hams can operate.

Countries Worked by ClubLog but not SCDXC

1A0	9N	S2	Z8
3XA	CY0	VQ9	ZL8
4U1UN	ET	XZ	ZS8
8R	FW	YA	

Countries added to SCDXC Total in November

5U	ST	VK9C	YI
----	----	------	----



CQWW CW 2019: What You Missed!

The CW portion of the CQWW DX contest is the largest participatory sport in the world...and it happens every year. The contest just ended and it's time to compare notes.

This year there was no participation from zone 34 and little from zone 2, 22, 38, & 40. Some of the rare zones and entities were only on 80 and 160 meters which makes it almost impossible from the West Coast. Note the entities in **red**. These are fairly rare and hardly heard outside the contests. Many do not have permanent residents who are hams that are active on HF.

To the right are the N1MM Logger charts from Kent, N6WT, Dick, W6TK, and Bill, N6RV. Kent and Dick ran All Band High Power Assisted while Bill ran All Band Low Power Unassisted (no spotting). All three were very active however Kent missed 3 of the 39 available zones, Dick missed 2, and Bill missed 5. Among the three 132 entities were worked however Bill missed 19, Kent missed 13, and Dick missed 10. The number of entities that participated is closer to 180.

All three worked DXCC in 48 hours (W6TK (122), N6WT(112) & N6RV(106))! What does that mean? Well... if you take the time to get on the air and just work one station from each announced entity DXCC is there and quite a few 5BDXCC slots can be checked off. Contests are an opportunity to snag the entities you need. They satisfy the principle of showing up. DX is bountiful and all you need is to put your hook in the water, and bait (operating from a rare location) is optional.

Conditions this year for the higher bands were the worst ever and probably the worst we will see until the bottom of next cycle. Propagation seemed to just take a step down. 15 meters sounded like 10 meters at the sunspot peak, 20 meters sounded like 15, 40 sounded like 20 and so on.

Hopefully next year more members will be active, even if it is just a few hours. It is a wonderful experience and for casual operators a good time to have newbies over to experience the thrill of DX overload!

The superstations really out did themselves this year:

K3LR	QSOs	Zones	Countries
160-	613	27	96
80-	1558	33	122
40-	2615	39	157
20-	2748	37	165
15-	890	31	121
10-	32	6	7

TOT 8456 173 668 19,490,000 points

K3LR	QSOs	Zones	Countries
160-	621	26	92
80-	1595	30	120
40-	2472	39	153
20-	2581	38	160
15-	1056	32	122
10-	88	7	10

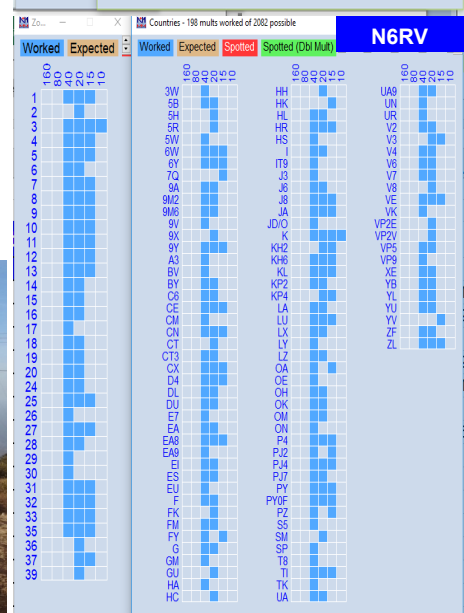
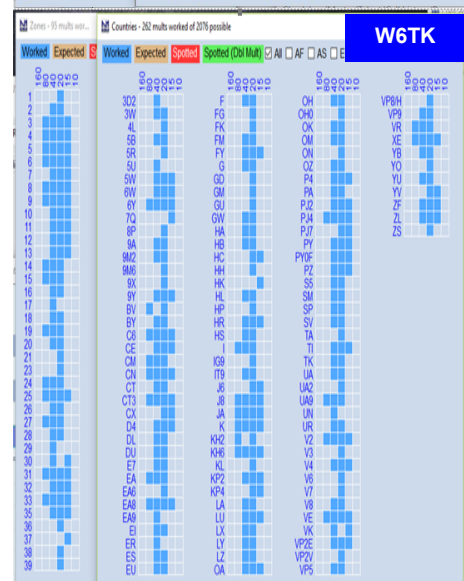
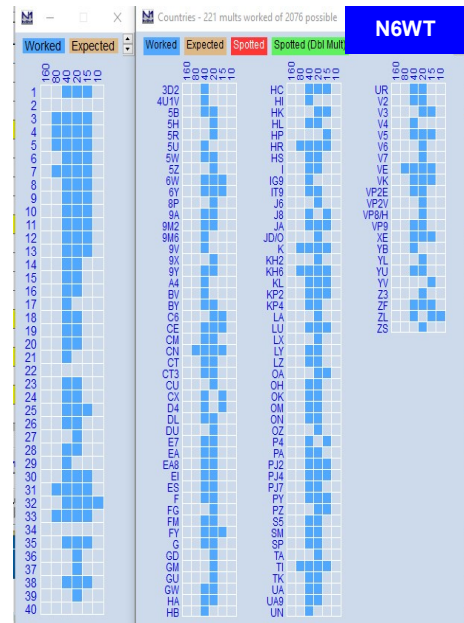
TOT 8413 172 657 19,150,000 points

Last but not least, CT1BOH operating D41CV, Cape Verde Africa, set a **new single operator record!**

18,851,331 points!

That is over 8000 QSOs by one operator in 48 hours (~170 Qs/hr ~ 3 Qs/min!).

Here is a picture of their operating site. Hopefully there are no earthquakes in that region!



3D2	J8
4U1V	JA
3W	JD/O
4L	K
5B	KH2
5H	KH6
5R	KL
5U	KP2
5W	KP4
6W	LA
6Y	LU
7Q	LX
8P	LY
9A	LZ
9M2	OA
9M6	OE
9V	OH
9X	OH0
A4	OK
BV	OM
BY	ON
C6	OZ
CE	P4
CM	PA
CN	PJ2
CT	PJ4
CT3	PJ7
CU	PY
CX	PY0F
D4	PZ
DL	S5
DU	SM
E7	SP
EA	T8
EA6	TA
EA8	TI
EA9	TK
EI	UA
ER	UA9
ES	UN
EU	UR
F	V2
FG	V3
FK	V4
FM	V5
FY	V6
G	V7
GD	V8
GM	VE
GU	VK
HA	VP2E
HB	VP2V
HC	VP8/H
HH	VP5
HI	VP9
HK	VR
HL	XE
HP	YB
HR	YL
HS	YO
I	YU
IG9	Z3
IT9	ZF
J3	ZL
J6	ZS

Bouvet Island

Next month the second DXpedition to Bouvet Island, 3Y0I, begins. The group headed by 3Z0DX is already assembled at Cape Town South Africa and will be departing shortly! Here is the same article published last December! Enjoy.

Bouvet is an uninhabited volcano top along the Mid-Atlantic Ridge located in the South Atlantic almost half way between Cape Good Hope and Cape Horn. This Antarctic island is almost entirely covered by glaciers. In the winter it is surrounded by an ice field making the approach difficult.

First discovered in 1739 by Jean-Baptiste Charles Bouvet de Lozier, a French naval officer the island was named in his honor. Because Bouvet inaccurately plotted the position Captain James Cook could not find it in 1739 and assumed it did not exist. It was not spotted again until 1808 by a British whaler named James Lindsay who named it Lindsay Island. The British flag was later raised by George Norris. He named it Liverpool Island. No claim was made until 1825 by the British. The first landing was made by Benjamin Morrell. A few expeditions visited the island in the late 19th century. The first Norwegian expedition landed in late 1927 claiming it for Norway. In 1928, the UK waived its claim in favor of Norway. Bouvet was declared a Norwegian dependency in 1930. In 1971, Norway designated Bouvet Island and the adjacent territorial waters a nature reserve. Since 1977, Norway has been running an automated meteorological station located on Nyroysa, a terrace on the northwest coast created by a rockslide in the 1950s. This is the easiest access point however it is 50 meters above sea level and requires a helicopter landing. In February 2006, an earthquake weakened the 388 sq. ft. station's foundation, It subsequently was blown out to sea in a winter storm. Norway erected a new research station in 2014 that can hold six people for periods of two to four months.

Geographic Coordinates: 54 26 S, 3 24 E

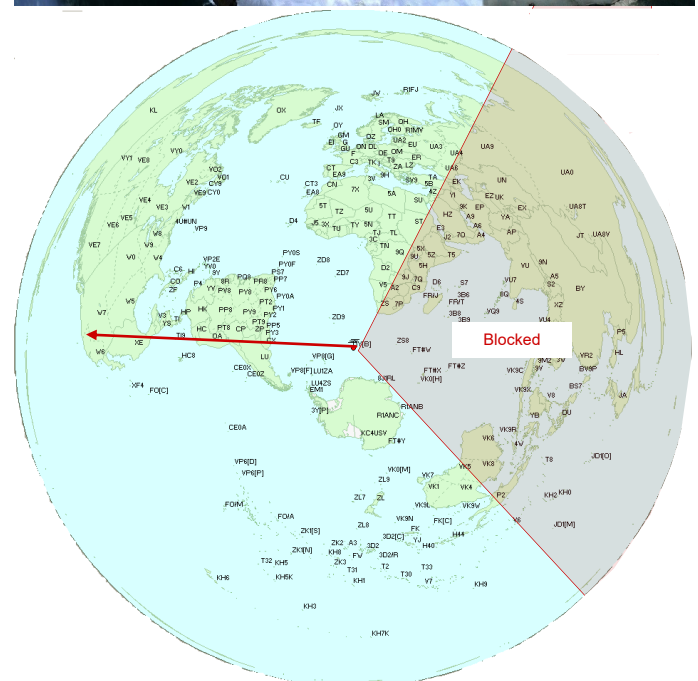
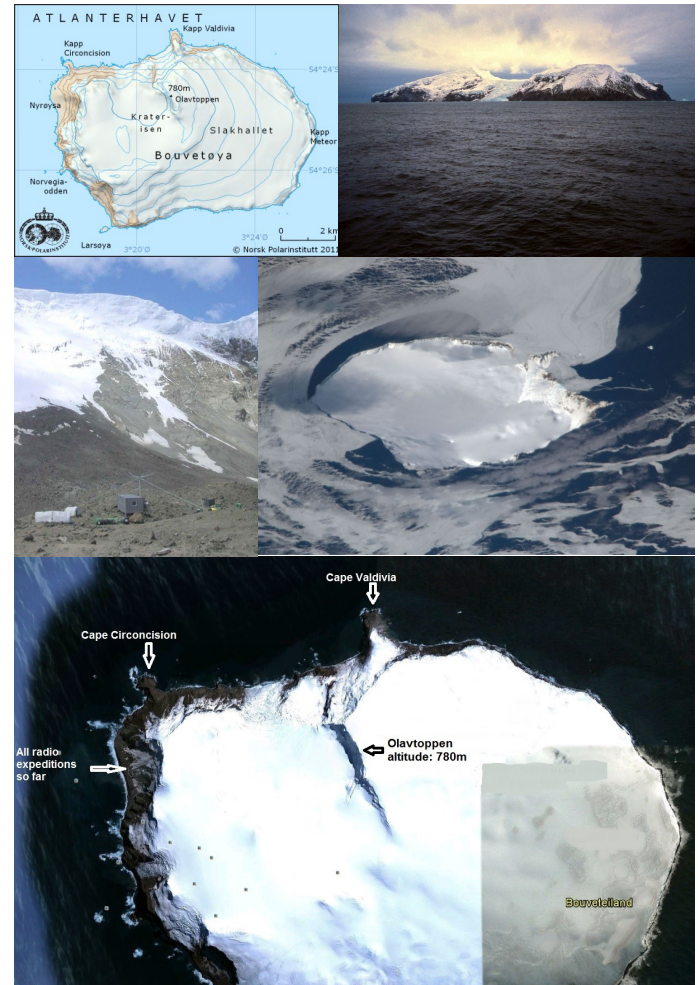
Area: 19 Sq. mi. about 0.3 times the size of Washington, DC

Coastline: 18.4 mi.

Terrain: volcanic; coast is mostly inaccessible; 97% covered in ice.

Highest Point: Olavtoppen (Olav Peak) 2558 ft

The terrain at Nyroysa blocks the paths from 30 degrees to 150 degrees through East. Making it difficult for Asia and a portion of the Pacific and Indian Oceans regions. The long path heading for these areas are right over North America and South America. Please do not call during their long path openings particularly when 3Y0Z asks for those regions.



Ham History

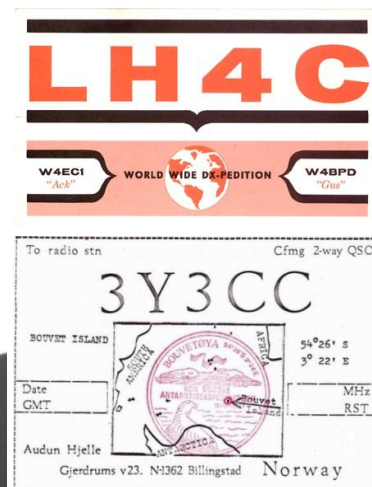
Bouvet Island has been activated several times however only three times were efforts made by large teams. The majority of the operations were in conjunction with Norwegian Polar expeditions. The remote location and the difficult landing as well as the weather conditions make Bouvet one of the rarest entities and constantly in demand. Here is a history of the operations from Bouvet.

LH4C

The first claimed DXpedition was in 1962 by Gus Browning, W4BPD. Because there is no real landing sight many speculate that the operation was shipboard.

3Y3CC

3Y3CC and 3Y1VC by LA3CC and LA1VC in 1977. This two man operation was in conjunction with a Norwegian Polar Expedition. It lasted 2 hours and netted 50 QSOs. It was a low power operation using a vertical antenna.

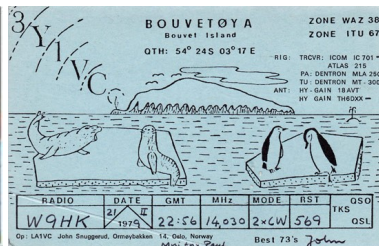
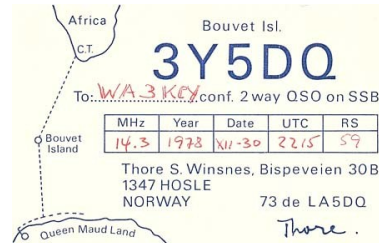


3Y5DQ 3Y1VC 1978-79

3Y5DQ and 3Y1VC 1978-79 by LA5DQ and LA1VC. This expedition yielded 2500 QSOs.

An excerpt from a posting by K8MFO on hamgallery.com:

In late 1978 I received a phone call at work from Ragnar Otterstad - LA5HE. Rag got right to the point of the call. He said that LA1VC would be going to Bouvet shortly, but all he had were a couple of small 100 watt transceivers. Rag noted that I lived fairly close to Dentron Radio in Twinsburg, and wondered whether I knew the "people in charge". "NOPE", I said, "but what can I do for you?". Long story short, Rag wondered whether Dentron would be willing to loan 3Y1VC one of their MLA-2500 amplifiers and one of the MT-3000 antenna tuners. Well, I called Dentron and Warren - WA1GUD (now W1GUD) answered the phone. Remember, he didn't know me from the "man in the moon", and vice versa. I explained the situation, and Warren, to my amazement, said, "We can do that." Then I explained the "rest of the story", which was that the equipment would have to be air freighted within 2 days to a port in Norway. Again the answer was "No problem.". Dentron came through like a champion, the equipment arrived in time, and it contributed to the success of the 3Y1VC operation. A few years later I was at the OH0 - Aland Island location of OH2BH, and the Dentron equipment was there. Apparently it had been designated for future DX operations out of northern Europe. When I got my 3Y1VC QSLs, the operator also sent me this photo, taken in his Bouvet shack. The Dentron equipment is on a shelf not shown in the picture.



3Y5X 1989

This expedition was conducted by 5 operators, two Norwegians, LA2GV and LA1EE, plus 3 foreign operators, F2CW, HB9AHL, and JF1IST. Club Bouvet was formed by Einar (LA1EE), Kare (LA2GV), and Erling (LA6VM). The team landed at the base on the West Coast about 50 meters ASL.

The whole crew included the operators, 2 scientists, a 2 man film team, a 2 man helicopter crew and a camp helper. Each operator had his own station in a tent and at four stations were manned 24/7. They ran a KW and used yagis for the high bands and verticals and a Battle Creek Special for 160-40.



They made over 47,000 QSOs, 16,800 CW QSOs, 30,000 SSB QSOs, and 291 RTTY QSOs. Working the Pacific and Asian areas via the long-path was very difficult. 47% of the contacts were North American, 31% European, 16% Asia, 4% Central and South America, 1% Pacific/Oceania, and 0.8% Africa.

3Y2GV 1997

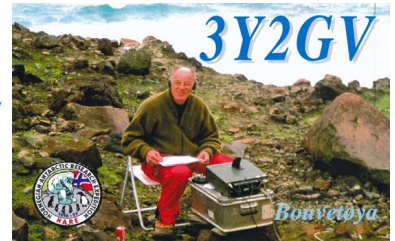
Again in conjunction with a Norwegian Antarctic Expedition this operation by LA2GV in 1997 lasted 3 hours while the team picked up 5 scientists. He used an IC-750 and a 17 meter sloping dipole. It was a single band operation.

Norwegian Polar Institute's new shelter is located at Nyøysa on the camp site of the 1989/90 SYSA operation. Since that time this site has been taken over by the fur seal population.

Transceiver: Icom IC 750A
Antenna: Sloping dipole for 18 MHz
Operator: LA2GV QSL via LA2GV

CONFIRMING QSO WITH	DATE	UTC	MHZ	2-WAY	RST
SM5AKT	22. Feb. 1997	12.39	18	CW	599

As a member of the Norwegian Antarctic Research Expedition 1996/97 I got the opportunity to go ashore at Bouvetøya once again to operate amateur radio. On our trip back from the Weddell sea, the expedition ship M/V Polar Queen made a brief stop at Bouvetøya to pick up five scientists. That gave me three hours of operating time in the open. Special thanks to Norwegian Polar Institute for this favor to amateur radio.



At this point about 50,000 contacts were made from Bouvet.

3Y0C 2000 - 2001

The longest DXpedition to date was conducted by retired NASA astronaut Chuck Brady, N4BQW. He was active from December 16, 2000 to March 6, 2001. Chuck along with a team of 4 scientists landed by helicopter. The team conducted several experiments. Again the equipment was an Icom 756 PRO and PW-1 amplifier. The antennas were 160 - 40m verticals and a 30 - 10m hexbeam. They lived in tents and stored equipment in the survival hut. Chuck was able to set up the station in the 388 sq. ft. facility.

Chuck was plagued with problems due to high winds, cold weather disabling the generator, and amplifier failure. Furthermore his main duties as medic and researcher came first. Despite this Chuck managed to make over 20,000 QSOs. This was a solo operation including assembling and erecting antennas. The 120 knot winds destroyed his antennas several times. Fortunately Chuck along with his faithful pocket knife was able to recreate antennas over and over. All the masts supporting the antennas had snapped and too were repeatedly repaired.

3Y0C Bouvet Island

Charles (Chuck) Brady is on the move again! This time from Bouvet Island in the South Atlantic Ocean. He was asked to accompany N.A.R.E., the Norwegian Antarctic Research Expedition as the Medical officer for the team. Chuck had several other obligations to the group, but when he was not working, he was on the air operating. From Radio Shack he donated a 756-Pro and a matching PW-1 amplifier. There were two primary antennas used on the island. The multiband beam was designed and donated by Mike Traffic N1RKA. HEXBEAM ANTENNAS. The all band vertical was designed and donated by Joe, N4JLH. Both antennas worked extremely well in the barren climate of intense cold and 120 knot winds. The operation was from December 12, 2000 until March 6, 2001. Chuck made several thousand QSOs from the island and worked many teams for a new country. This was a very successful One Man operation.

To Radio: K6CX
Date: 17-Jan-2001
Time: 21:45
Band: 18MHz
RST: 59 598
The QSL: 72 via W4A4PW
www.scarsville.com

Verified by: I would like to thank Mr. Jim Fring (N4JLH) and Mr. Bjørn Kraft of the Norwegian Polar Institute, who permitted me to join the expedition and also Mr. Frank Olsen, of the Norwegian Telecommunications, who graciously donated 3Y0C. A special "Thank you" to all my personal friends back home that made the trip possible with their talents, time and support. Thanks to those that served as Pilot Stations and a very special Thank You to all the hams worldwide that contacted me.

All QSL requests go to Mac: WA4FW

Best 73 & good DX

Chuck
Card design by KAAU

IOTA: AN-002



Chuck spent many sleepless days attempting to fulfill the need for this rare location. Most of the time he ran barefoot as the PW-1 failed and there was no way to repair it.

From the pictures you can see the mountains and cliffs that impeded propagation. In spite of this many Asians and Pacific stations found him in their logs!

Chuck became a silent key in 2006.

3Y0E 2008

Petrus, ZS6GCM who was a member of an expedition and assigned work while on the island activated Bouvet for 3 days only making a handful of QSOs.

BOUVET ISLAND

3Y0E

IOTA: AN-002

ZS6GCM - Petrus

Op. Petrus Kritzinger

QSL via: QSLcard Service

http://www.3y0e.org

Two MA-160V 160 Meter Phased Verticals

Bill Shell, N6WS

Ok, where do I start?

My need for a new 160m antenna began when I replace my Cushcraft X-9/X-940 with a SteppIR DB36. Prior to the DB36 I used a quarter-wave sloper on 160m fed at the 40' level on my 54' tower. With the DB36 on the tower, the quarter-wave sloper no longer worked. In fact, the presence of the sloper changes the tuning of the DB36.

For several years, I wanted to put up a 60 ft vertical made of 3" aluminum irrigation pipe. The ideal location would have been in the ¼ acre pasture in front of our house. Unfortunately, I knew that would be an aesthetically non-starter, so I started looking for another solution. At that time, Bob Selbrede, K6ZZ, posted a for-sale ad for a Cushcraft MA-160V vertical on the SCCC reflector. I immediately bought it, and then set out to figure out where to mount it. After assembling the antenna, I realized I could mount it on a corral fence post. The antenna in that location would not be very objectionable to my better half. It was barely visible since it was hidden from the road in front of the house by a tree, and from the house it blended in with the trees.

Ok, so I now had a 160m antenna that had a VSWR of less than 2:1 from 1810-1860 kHz. The first contest after the installation was the 2017 CQ World-wide CW. That was when I discovered I could hear and work CU, EA, EA8, and all over Zone 8, 9, and 11. The vertical was really working.

Prior to using this vertical, 160m was just a band to pick up mults during contests. I would get on 160m to work a few zones and countries, but it was usually somewhat of a struggle. For some reason, this MA-160V was really working. As my 160m experience progressed through December, January, and February, I was beginning to really enjoy getting on 160m. We had about 20 good openings to Europe during that period, and I was able to pick up several new countries in zones 14, 15, and 16. I was able to hear several European stations I wasn't able to work. The equipment I was using to chase this DX was the Cushcraft MA-160V vertical, Yaesu FTDX-5000, SPE 2K-FA, and a MFJ-1026.

After the experience of working the European stations with relative ease compared to my previous 160m experiences, I decided to look for ways to work those station I could hear, but not work. Using antenna models I tried to come up with a way to improve my TX gain, while keeping the antenna(s) fairly well hidden in the trees. What I came up with was to add a second Cushcraft MA-160V. The antennas could be mounted on two of the fence posts on the pasture and corral in front of our house. I also decided to add a K9AY dual loop antenna to help with receive.

The first vertical I had installed had been resonant at 1830 kHz, and provided less than 2:1 VSWR from 1810 to 1860 kHz. The low VSWR was important, because the antenna tuner in my Expert 2K-FA amplifier will not tune an antenna with higher VSWR. I wanted to cover a little more of the band without adding any other method of antenna tuning. My first attempt had both antennas resonant at 1830, and I tried using the quarter-wave lengths of 75 ohm cable feed them from a coaxial T. This method did not work very well for me because the 2:1 VSWR points limited my band to 1820 to 1845 kHz.



I was really puzzled by the outcome of these first tests of the phased verticals. I tested each antenna alone, and the results were very similar to the original single antenna. What I found out was the combination of the two antennas narrowed the 2:1 VSWR bandwidth. The tuned 75 ohm feedlines also contributed to narrowing the bandwidth. What I did initially to improve the bandwidth tolerated by my amplifier, was to tune one antenna for 1830 kHz and the other for 1840 kHz. That gave me good coverage from 1815 kHz to 1850 kHz. The staggered tuning gave me slightly more usable bandwidth.

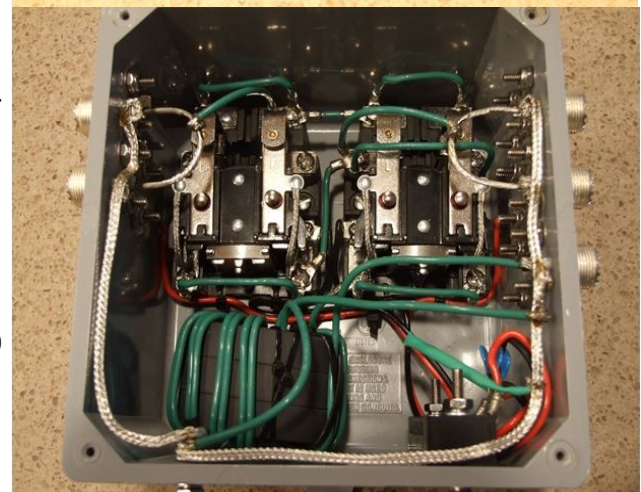
My next task was to try to understand what else I could do to cover more of 160m. Out of desperation, I eliminated the tuned 75 ohm coax sections and fed the antennas with equal shorter lengths of 50 ohm coax. I made a transformer using three stacked Amidon FT-240-61 cores, and 14 and 10 turns to give me a 2:1 transformer. I used the transformer at the junction of the two 50 Ohm feeds, and found the usable 2:1 VSWR bandwidth was now 1810 kHz to 1865 kHz. Okay, I found a solution, but why is everyone using 75 ohm coax to phase their antennas instead of a transformer? I still do not know the answer to that question. Instead of two quarter-wave lengths of 75 ohm coax, it seems easier to run two eighth-wave lengths of 50 ohm coax. It takes less cable, and you get a wider usable bandwidth.

In addition to the equipment described, I am also using RF chokes at each antenna and at the input to the phase switching box. These chokes are homemade from two stacked Amidon FB-31-24001 cores and RG-400 coaxial cable.

I have had the two vertical antennas up in the air since July, but because of the experimentation and packaging of the necessary phasing/switching hardware, I have only been using one of the antennas. I am nearing the end of the project, so now I only have to mount the hardware, and have cables pulled through my attic.

I did not meet my deadline of having the phased verticals ready for the CQ Worldwide CW contest. Oh well, hopefully, we will have several good openings on 160m after the phased vertical project is completed. I did meet the my deadline for installing the K9AY loops.

I'm looking forward to really testing the antennas this 160m DX season.



TID BITS

I Still Want One of These!

There is a new antenna manufacturer in town and he is going big. It is a SteppIR on steroids, possibly a byproduct of nuclear radiation like Godzilla! Anyone interested in buying one? How about raffling of a pair of KA1-411X antennas and a LUSO 41 tower to stack them on at the next IDXC? I am sure the winner would sell his house and move to an antenna “friendly” neighborhood.

http://www.kojinsha.jp/ka1_xen/



Model	KA1-211X			KA1-408X			KA1-411X			
Gain/Size	detail			detail			detail			
Frequency Range	14-50			7-50			7-50			
Element数	11 Elements			8 Elements			11 Elements			
Number of Elements for Each Band	14/18MHz z	21/24/28 MHz	50MHz	7/10MHz	14/18/21/ 24 /28MHz	50MHz	7/10MHz	14/18MHz z	21/24/28 MHz	50MHz
	7	9	15	4	7	10	5	7	9	15
Power Rating	5/10			5/10			5/10			
Longest Element (m)	10.4			14.8			14.8			
	38Φ			45Φ			45Φ			
Boom Length (m)	20			15			20			
Turning Radius (m)	11.3			10.5			12.5			
Weight (kg)	193			155			210			
Wind pressure area (m²)	3.6			3.1			3.9			
Wind pressure area fit mast	The mast recommended for Super Versa.(Weight 66lb(30Kg))									

Resource Page

Useful DX Sites

N0HR DXpedition Map
www.n0hr.com/wk34/

The DX Zone
www.dxzone.com/catalog/DX_Resources/

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DXing.info
www.dxing.info/dxpeditions/

DX 425 News
www.425dxn.org/dxped/

Dx-info.de
www.dx-info.de

DX Italia DX News

Propagation

The Worm Has Turned

The solar community are looking at the reversal of the Sun's magnetic fields and the appearance of sunspots in the high latitudes as indication that Cycle 25 has begun. This means that we just passed Cycle 24 minimum and are heading up towards the peak of Cycle 25. Typically a cycle rise is faster than its decay however if the past cycle is any indication, nothing in Cycle 25 will be typical, and possibly the rise will be delayed and slow. Only time will tell.



ARRL VE Exam Sessions

To find an ARRL exam sessions in your area go to the website:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

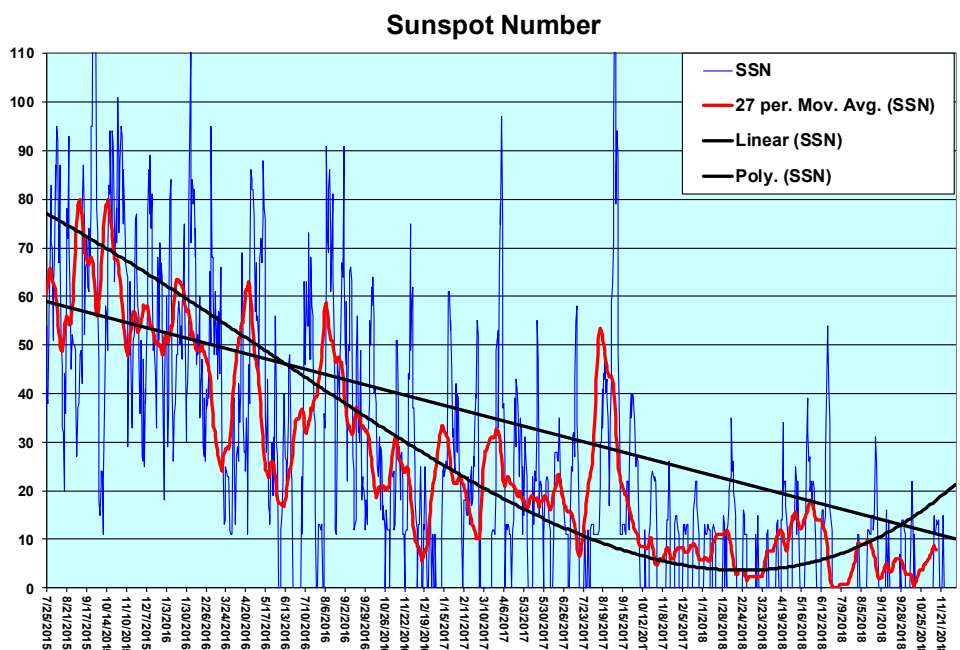
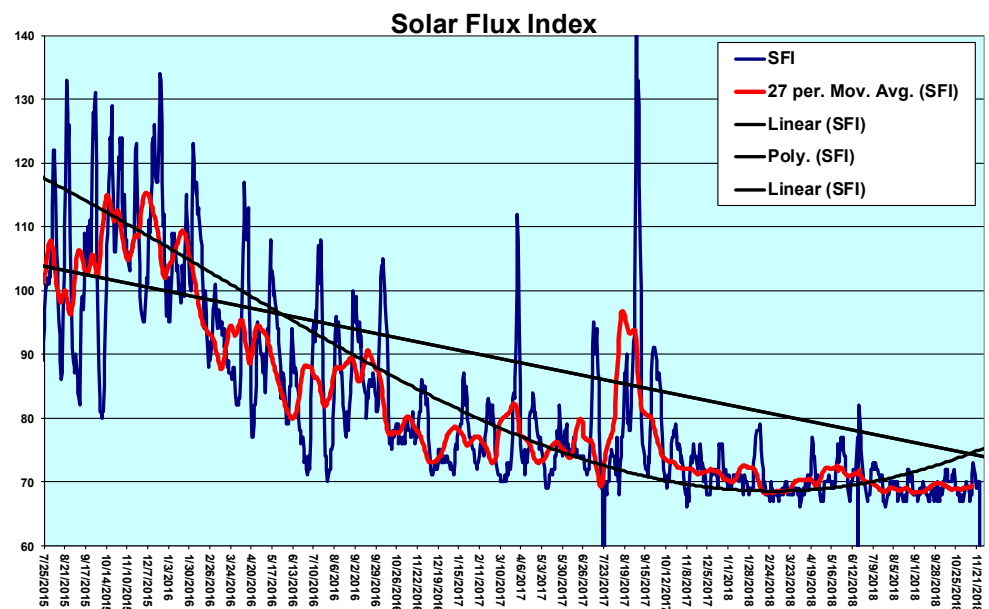
Club and Conduct Sites

Officer Guidelines

http://www.scdxc.org/download/Officer_Guidelines.pdf

DX Code of Conduct

<http://www.dx-code.org/>





Store	E-mail	Direct	Toll Free	Fax
Anaheim	ana@hamradio.com	1-714-533-7373	1-800-854-6046	1-714-533-9485
Burbank	bnk@hamradio.com	1-818-842-1786	1-800-854-6046	1-818-842-5283
San Diego	sd@hamradio.com	1-858-560-4900	1-800-854-6046	1-858-560-1705

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